



MIAMI-SOUTH FLORIDA

National Weather Service

Forecast Office

<http://www.weather.gov/miami>

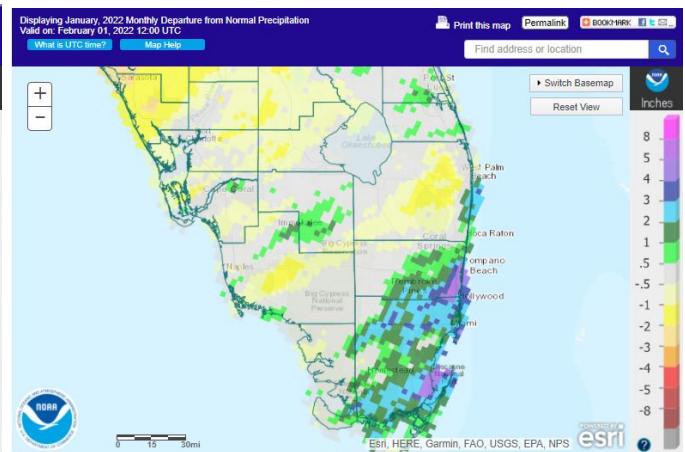
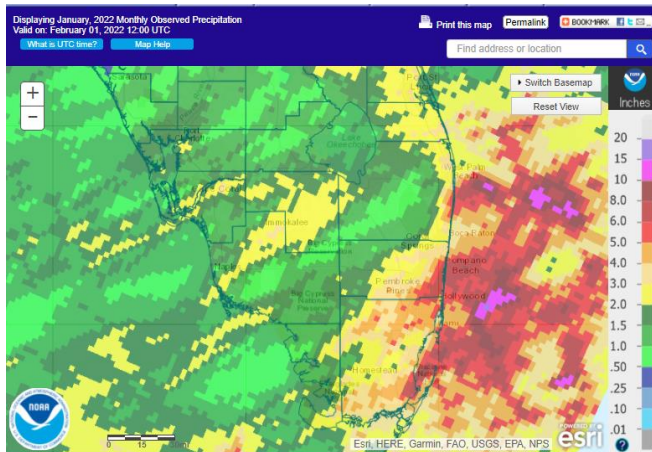
January 2022 Weather Summary

February 1st, 2022: A warm first half of the month was compensated by a cool second half, with average temperatures for the month very close to normal, except 1 degree above at Naples. Two cold snaps on the last two weekends of the month punctuated this trend, with each period having temperatures 10 to 18 degrees F below normal.

The highest January temperature at NWS ASOS and Cooperative sites was 87 degrees in Naples on January 10th, and the coldest was 28 degrees in Ortona on January 30th.

Precipitation

Rainfall was above normal over metro SE Florida from Lake Worth south, and mostly drier than normal elsewhere (Figures 1 & 2). Frontal systems on the 16th and the 20th delivered the majority of the month's precipitation. On January 20th, Fort Lauderdale/Hollywood International Airport measured 4.96", a record for the day, and North Perry Airport measured 4.39". Miami International Airport measured 4.04" from 7 AM on January 20th to 7 AM on January 21st, and the NWS office at Florida International University measured 4" during that same time period. Strong to severe thunderstorms on January 16th dropped 1.25" in Naples, and two EF-0 tornadoes were observed in Collier County on the same day.



Figures 1 & 2: January 2022 rainfall and departure from normal

January 2022 temperature and rainfall summaries for the 4 main climate sites are below:

South Florida Monthly Climate Statistics

January 2022

West Palm Beach (PBI)

Average Temperature		Precipitation	
Observed	Departure From Normal	Observed	Departure From Normal
66.3F	0	2.27"	-1.2"
Highest: 85 (2 nd) Lowest: 37 (30 th)			

Fort Lauderdale (FLL)

Average Temperature		Precipitation	
Observed	Departure From Normal	Observed	Departure From Normal
68.5F	+0.2	6.46"	+3.56
Highest: 84 (2 nd and 3 rd) Lowest: 40 (30 th)			

Miami (MIA)

Average Temperature		Precipitation	
Observed	Departure From Normal	Observed	Departure From Normal
68.8F	+0.2	5.98"	+4.15"
Highest: 83 (2 nd and 7 th) Lowest: 42 (30 th)			

Naples (APF)

Average Temperature		Precipitation	
Observed	Departure From Normal	Observed	Departure From Normal
66.2F	+0.9	0.67"	-1.01"
Highest: 84 (8 th and 9 th) Lowest: 37 (30 th)			

NWS Miami

Tuesday, February 1, 2022

Discussion

The large-scale weather pattern in North America during the first half of the month was dominated by high pressure aloft (Figure 3, orange and yellow colors) extending from the western U.S. to the SE U.S. and Florida. This mostly kept the coldest air masses well to the north over the Great Lakes and northern Plains. In the second half of the month, however, the pattern shifted as low pressure aloft became established over the eastern U.S., allowing for the intrusion of cold air masses deep into the SE U.S. and Florida (Figure 4, blue colors).

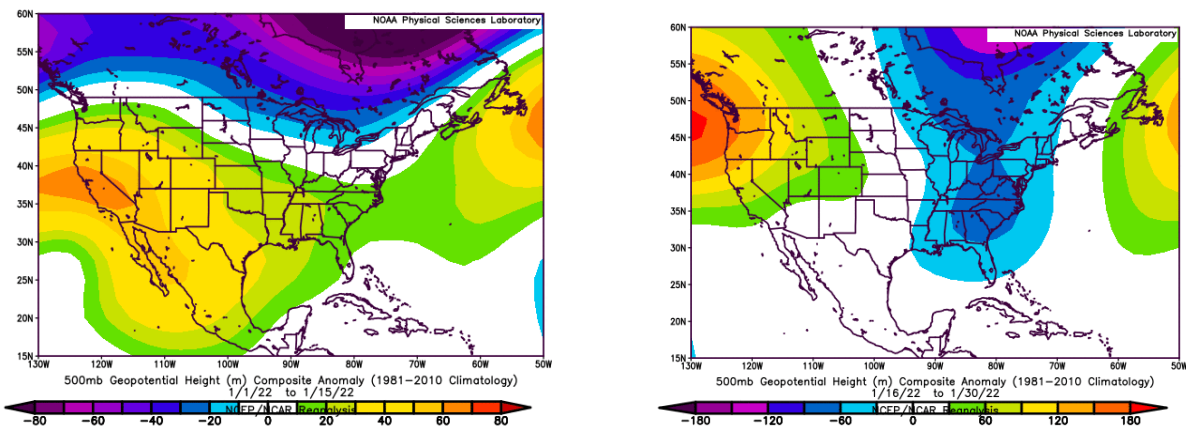


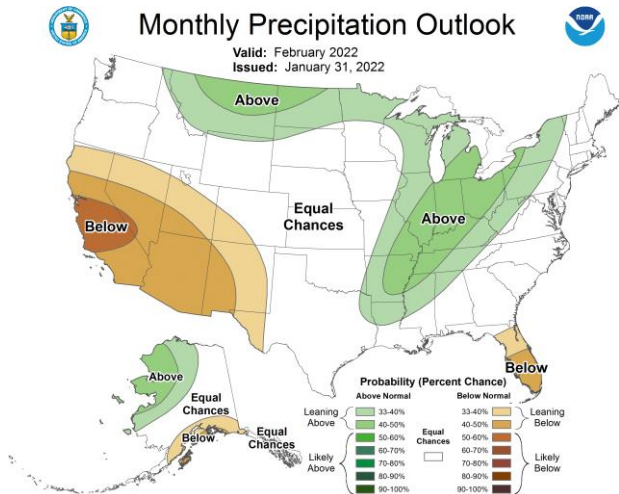
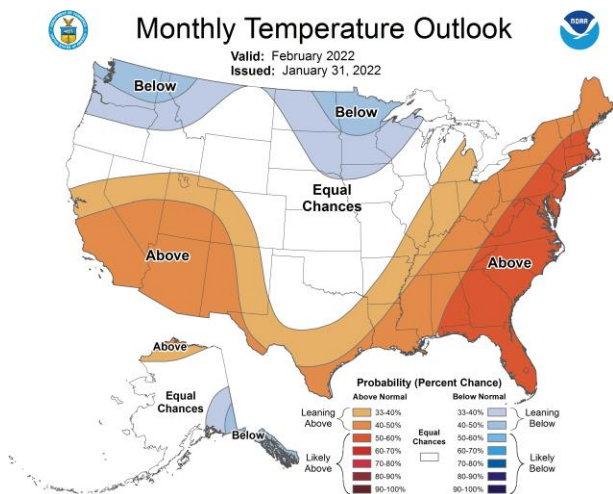
Figure 3 (left): Average 500 mb height anomalies for January 1-15, and Figure 4 (right) for January 16-30

Outlook

The February outlook by the [NOAA Climate Prediction Center](#) (CPC, Figures 5 and 6) are for increased chances of above normal temperatures and below normal precipitation for South Florida. However, the first two weeks of the month may see some variability between warmer and cooler than normal conditions as fronts periodically move through the area.

The warmer and drier than normal trend is continued in the CPC outlook for the February – April time frame.

For the latest south Florida weather information, including the latest watches, advisories and warnings, please visit the National Weather Service Miami Forecast Office's web site at weather.gov/southflorida.



Figures 5 and 6: February 2022 temperature probability (left) and precipitation probability (right) from NOAA's Climate Prediction Center (CPC).